

09/334375

### ABSTRACT OF THE DISCLOSURE

An inkjet printer adapted to sense type of supplied consumable receiver media, inks, printhead, and cleaning fluid. A transponder attached to a consumable is coupled to a memory device capable of storing information  
5 characteristic of the consumable. A transceiver is disposed within the inkjet printer, with antennae disposed for polling an individual transponder attached to each consumable. The transponder is capable of receiving a first RF frequency electromagnetic field from the transceiver and deriving power and address information from the first frequency, then generating a second RF frequency  
10 electromagnetic field in response, where the second electromagnetic field is characteristic of the data stored in memory. As instructed by a machine control logic processor, the transceiver can both read manufacturing data from the transponder about the consumable and write usage and processing data to the transponder for storage in memory. The transponder can also be coupled with a  
15 transducer for taking measurements from the consumable.

09334375-061699